

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

10/524162

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number  
WO 2004/014316 A3

- (51) International Patent Classification<sup>7</sup>: A61K 31/41, 31/335, A61P 25/00, C07D 317/44, 257/04
- (21) International Application Number: PCT/US2003/025165
- (22) International Filing Date: 11 August 2003 (11.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/402,450 9 August 2002 (09.08.2002) US
- (71) Applicant (for all designated States except US): VI-ROPHARMA INCORPORATED [US/US]; 405 Eagle-view Boulevard, Exton, PA 19341 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): NITZ, Theodore, J. [US/US]; 473 Kulp Road, Pottstown, PA 19465 (US). GABOURY, Janet, A. [US/US]; 1201 Hunter Drive, Blue Bell, PA 19422 (US). BURNS, Christopher, J. [US/US]; 1806 Hawkweed Way, Malvern, PA 19355 (US). LAQUERRE, Sylvie [CA/US]; 402 West 5th Avenue, Conshohocken, PA 19428 (US). PEVEAR, Daniel, C. [US/US]; 256 Morris Road, Harleysville, PA 19438 (US). LESSEN, Thomas, A. [US/US]; 31 Teal Drive, Langhorne, PA 19047 (US). RYS, David, J. [US/US]; 33 Simpson Road, Ardmore, PA 19003 (US).
- (74) Agents: HAGAN, Patrick, J. et al.; Dann, Dorfman, Herrell and Skillman, P.C., 1601 Market Street, Suite 2400, Philadelphia, PA 19103 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
- with international search report
  - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 17 June 2004
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING PNEUMOVIRUS INFECTION AND ASSOCIATED DISEASES

(57) Abstract: Compounds, compositions and methods are provided for the prophylaxis and treatment of infections caused by viruses of the Pneumovirinae subfamily of Paramyxoviridae and diseases associated with such infection.

WO 2004/014316 A3